ಟೆಕ್ನಿಕಲ್ ಮ್ಯಾನೇಜರ್ ಸಂಖ್ಯೆ: 4892/16-17

ಸದರಿ ಟೆಕ್ನಿಕಲ್ ಮ್ಯಾನೇಜರ್‌ರವನ್ನು ಈ ನಾಗಭೂಷಣ್. ಬಿ ಇವರಿಂದ ಬೆಳ್ಳಂದೂರು ವಾರ್ಡ್ ನಂ 13 ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ ಇವರಿಗೆ ದಿನಾಂಕ: 28-4-2016 ರಂದು ವಿತರಿಸಿದೆ. ಸದರಿ ಟೆಕ್ನಿಕಲ್ ಮ್ಯಾನೇಜರ್ ಪ್ರಾಪರ್ತಿ ಸಂಖ್ಯೆ: 489101 ರಿಂದ 489200 ರ ವರೆಗೆ ಕ್ರಮಬದ್ಧವಾಗಿ ಪ್ರಾಪರ್ತಿ ಹೊಂದಿದೆ ಎಂದು ದೃಢೀಕರಿಸಿದೆ.

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike,
Dasarahalli Zone, Bangalore.

28/4/16

1st and final Bill

BM dt. 465/26/10/16

M. A. R. 57 (Rule 116)
Measurement Book
No. B 489101

Improvements of ce roads & Rce drains at 8th, 9th cross and other roads near pipe line in ward No. 13, Shettyhalli Sub Division.

Serial No. ..... From ..... To .....

Name of Work .....

Name of Contractor of nature of Agency ..... Technical Manager Level 3 KRDL

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Job code:- 013-17-000009				Est. cost :- 50.00 lakhs		
	A.S. No:- AC/DZ/AS/28/2016-17. dt. 30.08.2016						
	T.S. No:- CE/DZ/TS/141/2016-17. dt. 01.09.2016						
	W.O. No:- BBMP/EE/DD/WO/62/2016-17. dt. 02.09.2016.						
	Date of recording:- 19-9-16						
①	Earthwork excavation by manual means in ordinary soil involving in average horizontal throw upto to 2m & an average lift upto 1.5m. excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. As per premeasurement duly recorded in the MB page No. 489161 to 62 vide item No. ①. i.e @ rate of 83.16/cum					484.29 cum = ₹40,274/-	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(2)	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum, and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation, including cost of all materials, labour, HOM & machinery, curing complete as per specifications as per premeasurement duly recorded in the MB Page No. 489163 vide item no (2).					i.e. 91.64 Cum @ Rate of 5070.60/cum . . . = £4,64,682/-	
(3)	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs. with 20mm and down size graded granite metal, coarse aggregate @ 0.69 cum and fine aggregates @ 0.450 cum, with superplasticizer @ 3 litres confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 489102

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	foundation for footings, pedestals, retaining walls, staircase returnwalls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses string or lacing courses, parapets, bed blocks, anchor blocks, plain window cills, fillets, etc, including cost of all materials labour, HOM & machinery, curing complete as per specifications As per premeasurement duly recorded in the MB Page 489168 vide item no (3).					i.e. 255.01 cum @ Rate of 6198.12/cum. . . . = £ 15,80,567/-	
(4)	Providing T.M.T steel reinforcement for R.C.C works including straightening, cutting, bending, hooking, placing in position, lapping and welding wherever required, tying with binding wire and anchoring to the adjoining members.						

MEASUREMENT BOOK

M. A. R. 57 (Rule 116)
Measurement Book

No. B 489103

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	wherever necessary complete as per design Claps, hooks, and wastage shall not be measured and paid & cost of materials, labour, HOM & machinery complete as per specifications Qty as per premeasurement Qty recorded in this MB page No. 489164 vide item No. ④					i.e 152.49 Qtls	
	@ Rate ₹ 6980.56/Qtl.					~~₹ 15,80,567/-~~ = ₹ 10,64,462/-	
⑤	Providing and laying cement concrete using 20mm & down size granite coarse aggregate and fine aggregate & ready mixed concrete RMC M20 for RCC works laid in 15cm thick layers and well compacted vibrating, curing for raft foundation. column footing, main and secondary beams with all lead and lift etc, complete & exclusive & cost & steel & fabrication charges).						

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	~~For CC road~~ 8th cross	1	30.00	4.20	0.15	18.90	
	9th cross	1	5.00	4.20	0.15	3.15	
		1	30.00	4.30	0.15	19.35	
		1	15.00	4.30	0.15	9.68	
		1	30.00	3.50	0.15	15.75	
		1	39.00	3.50	0.13	13.65	
						80.48 cum	
			Qty limited to			66.69 cum	
	@ Rate ₹ 6332.04/cum.					= ₹ 4,22,284/-	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
⑥	Providing and removing centering, shuttering, propping etc., and removal of form works for vertical surface such as walls of any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications.						
	as per premeasurement Sh recorded in the MB page No. 489166 vide Item No.⑥ i.e @ Rate of 301.04/sqm					2322.60 Sqm — = ₹6,99,196/-	
⑦	Providing and laying reinforced cement forecast slabs of mix CC 1:1½:3 using 20mm & down size graded granite metal using HYSD 10mm dia steel @ 10 nos/cle both ways & complete as per specifications.						
	8th cross	18	0.60	0.90		9.72	
	9th cross	18	0.60	0.90		9.72	
	Sandi drain	8	0.60	0.90		4.32	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 489104

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1st cross	20	0.60	0.90		10.80	
	2nd cross	12	0.60	0.90		6.48	
	11th cross LLS	25	0.60	0.90		13.50	
	missed Slabs	38	0.60	0.90		20.52	
	pipeline road	40	0.60	0.90		21.60	
	10th cross	27	0.60	0.90		14.58	
		40	0.60	0.90		21.60	
						132.84 Sqm	
			@ Rate of 1600/Sqm			= ₹2,12,544/-	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(8) Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work., lead 10 Km. 8th wide item No. (1).					484.29 Cum @ rate of 81.78/Cum =	= £ 39,581/-
						Sub Total =	= £ 45,23,590/-
						KR DL charges 8% =	= £ 3,61,887/-
						QC 1% =	= £ 50,000/-
						Total =	= £ 29,35,477/-

Ckd & Rc
29/9/2016

Certificate:
(1) The work done by contractor satisfactorily
(2) The contractor has removed all debris from work spot.
(3) There is no departmental issues.

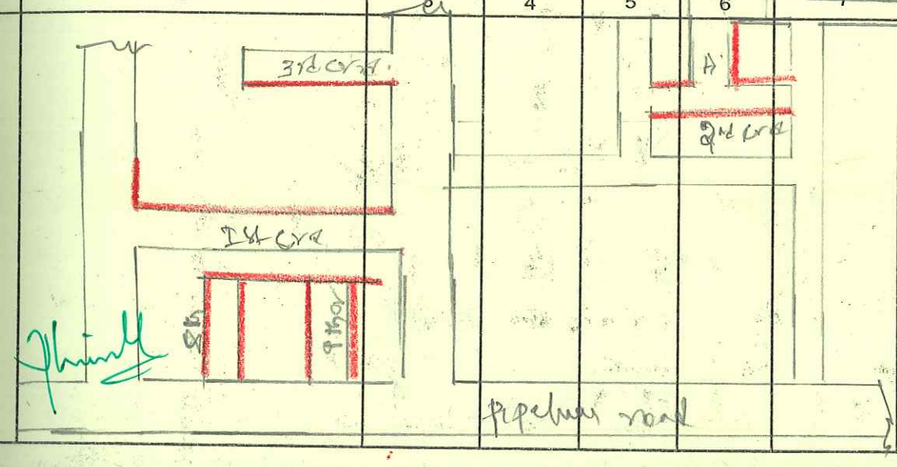
Certified Acc
19-9-16

M. A. R. 57 (Rule 116)
Measurement Book

No. B 489105

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



Certified Acc